International Civil Aviation Organization
CAR/SAM Regional Planning and Implementation Group (GREPECAS)
Eighth Meeting of the GREPECAS Aeronautical Meteorology Subgroup (AERMETSG/8)
Santiago, Chile, 9 to 13 October 2006

Agenda Item 8: MET Training

(Presented by the Secretariat)

SUMMARY

This working paper presents brief information regarding the training requirements for aeronautical meteorological (MET) personnel in CAR/SAM States. It also provides information about the WMO Meeting of the Expert Team on Accreditation and Certification in Meteorological Education and Training (ETAC-MET).

References:

- Report of the Tenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/10), Canary Islands, Spain 2001;
- Annex 3 – Meteorological service for international air navigation;
- Report on attendance of the ICAO representative at the WMO Meeting of the Expert Team on Accreditation and Certification in Meteorological Education and Training (ETAC-MET) (Geneva, Switzerland, 24 – 26 January 2005); and
- Report to the Plenary on item 7.3 of the Fourteenth Meeting of the Regional Association III.

1. Introduction

1.1 As a result of the introduction of requirements for quality management systems, the aeronautical meteorology syllabi are becoming increasingly important since States/Territories' compliance with the requirements in Annex 3 related to the qualifications and training of MET personnel can only be assessed against detailed guidance, and in this regard, the syllabi may be used as check lists in this regard.

1.2 The Expert team of the Meeting of the Expert Team on Accreditation and Certification in Meteorological Education and Training (ETAC-MET) (Geneva, Switzerland, 24 – 26 January 2005), dealt, among other issues, with the development of a Supplement to WMO No. 258 Manual, which would address the training and qualifications of aeronautical meteorological personnel.

2. **Discussion**

Supplement No. 1 – Aeronautical Meteorological Personnel of Manual WMO – No. 258

2.1 Taking into consideration that during the missions to the States/Territories of the SAM Region, doubts have been detected regarding the education and training of aeronautical meteorological personnel, the meeting could take note than when dealing with the agenda item regarding the work plan for 2005 of the WMO Meeting of the Expert Team on Accreditation and Certification in Meteorological Education and Training (ETAC-MET), carried out in Geneva, from 24 to 26 January 2005, it was noted that final approval by the WMO Executive Council of the Supplement to WMO No. 258 Manual, which will cover all relevant material of aeronautical meteorology, was expected for 2006.

Guidelines for Meteorological Authority

2.2 The Expert Team reviewed the draft version of the new supplement and agreed that the syllabi for aeronautical meteorology could be used as checklists to verify the States/Territories' compliance with Annex 3, 2.1.5 and reiterated that any new material should be based on the classification in Fourth Edition of WMO – 258 Manual and that no new classes of personnel should be introduced.

2.3 It is important that the subgroup takes note that the aforementioned meeting considered that the supplement would provide enough guidelines for meteorological authorities, as how to comply with Annex 3, 2.1.5. The expert team agreed that the specific case of aeronautical meteorological forecasters MET (meteorologists) not holding university degrees should be addressed in the introductory part of the new supplement with the understanding that, as of 2005, all new MET forecasters should have a university degree or equivalent.

2.4 In this regard, the meeting could agree to formulate the following draft conclusion:

DRAFT CONCLUSION 8/XX - IMPLEMENTATION OF WMO REQUIREMENTS RELATED TO THE QUALIFICATIONS AND TRAINING OF MET PERSONNEL

That CAR/SAM States/Territories be invited to take actions to implement Annex 3, 2.1.5, in close collaboration with MET Authorities, in order to comply with the requirements related to the qualifications and training of MET personnel.

Note: In accordance with Doc 7475, additional guide related to qualifications and training of MET personnel is expected to be issued by WMO in 2006.

MET Training needs

2.5 The meeting could note that the Fourteenth Meeting of the Regional Association III (South America), was held from 7 to 13 September 2006, in which ICAO participated as observer and presented a working paper related to the training of MET personnel. In this context, the Association was presented with ICAO concerns regarding the lack of qualified meteorological personnel, and welcomed the offer made by Argentina, Brazil, Peru and Venezuela to provide support through education courses, and the undertaking of the other Permanent Representatives to support the development and put into practice of a WMO education project in coordination with ICAO, in accordance with ICAO Doc 7475, following GREPECAS Conclusion 10/39 and included in paragraph d) of the Draft Resolution of Appendix B to the IV-RAIII/PINK 7.3(1) – Aeronautical Meteorology Programme (PMAe), which reads:

" d) develop and execute, in coordination with ICAO, a project to provide solutions in a short, medium and long term to overcome the lack of aeronautical meteorological personnel prepared in the Member countries and RA III territories"

2.6 Based on the discussions of agenda item 6 (WP/07), the meeting could agree that there is a need to organize a CAR/SAM Seminar on ATS/AIS/MET/Pilots Coordination, in order to discuss and analyze the access to real-time meteorological information and global WAFS products to assist ATM; the enhancements of the world area forecast system (WAFS), the international airways volcano watch (IAVW) and the tropical cyclones warning system in support of optimization of the use of airspace; the developments of automated ground-based meteorological systems to support operations in the terminal area. Likewise, so that MET personnel be updated on air traffic flow management (ATFM), its relation with meteorological services and the database concerning regional planning.

2.7 In this regard, the meeting could agree to formulate the following draft conclusion:

DRAFT CONCLUSION 8/XX - SEMINAR ON ATS/AIS/MET/PILOTS SERVICES COORDINATION

That ICAO, in coordination with the WMO, organize a Seminar on ATS/AIS/MET/Pilots Coordination for the CAR/SAM Regions.

3. **Actions suggested to the meeting**

3.1 The meeting is invited to:

a) take note of the information contained in this working paper;

b) adopt the Draft Conclusions indicated in paragraphs 2.4 and 2.6; and

c) agree other actions as necessary.

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